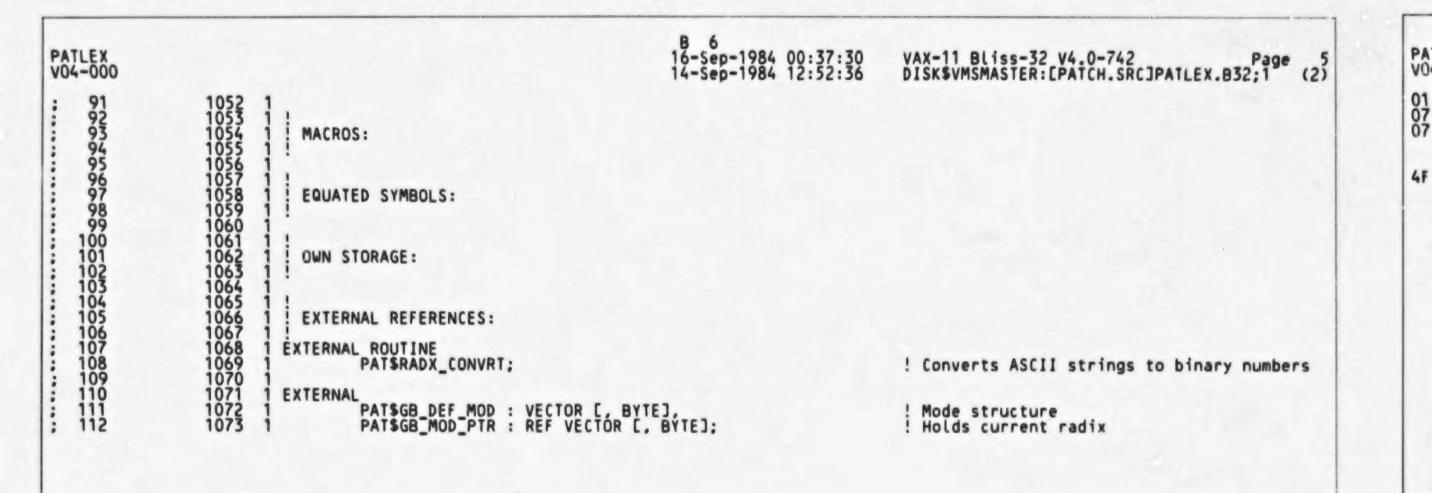
PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAA AAAAAAA AAAAAAA		2222222222 22222222222	ннн ннн ннн ннн
PPP PPP	AAA AAA	TTT	CCC	нин нин
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PPP PPP	AAA AAA	ŤŤŤ	ČČČ	ннн ннн
PPP PPP	AAA AAA	ŤŤŤ	ČČČ	нин инн
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PPP	AAAAAAAAAAAA	ŤŤŤ	ČČČ	ннн ннн
PPP	AAAAAAAAAAAA	ŤŤŤ	ČČČ	нин инн
PPP	AAA AAA	ŤŤŤ	ČČČ	ннн ннн
PPP	AAA AAA	ŤŤŤ	222	ннн ннн
PPP	AAA AAA	ŤŤŤ	ČČČ	ннн ннн
PPP	AAA AAA	ŤŤŤ	2222222222	нин инн
PPP	AAA AAA	iii	2222222222	ннн ннн
PPP	AAA AAA	ttt	55555555555	ннн ннн

PPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPPP	AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA			XX	
		\$			

V

PATLEX 704-000				16-Sep-1984 00:37:30 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:52:36 DISK\$VMSMASTER:[PATCH.SRC]PATLEX.B32;1 (1
58 59	0058 1 1 05	5 26-APR-78	K.D. MORSE	INCLUDE CODE TO HANDLE KEYWORDS
60	0060 1 00	6 02-MAY-78	K.D. MORSE	BEGINNING WITH A PERIOD. CHANGE RETURNED TOKEN TYPE FROM
60 61 62 63	0058 1 00 0059 1 00 0060 1 00 0061 1 00 0062 1 00 0063 1 00 0064 1 00 0066 1 10 0067 1 1	7 17-MAY-78 8 18-MAY-78	K.D. MORSE K.D. MORSE	ALPHA TO ALPHA STR TOKEN. NO CHANGES FOR VERS 21. NO CHANGES FOR VERS 22-23.
64 65 66 67	0065 1 09 0066 1 10 0067 1 1	9 18-MAY-78 0 13-JUN-78 1 27-JUN-78	K.D. MORSE K.D. MORSE K.D. MORSE	DBGLEX.B32 BECAME DBGMAR.B32. NO CHANGES FOR VERS 24. ADD FAO COUNT TO SIGNALS. NO CHANGES FOR VERS 25.

PV



PAT VO4

4F

Side effects:

none

PAT VO

```
PA
```

```
D 6
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
PATLEX
VO4-000
                                                                                                                                       VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[PATCH.SRC]PATLEX.B32;1
                                     !--
    BEGIN
                                    LITERAL
                                                                         = 9 :
                                                 table_offset
                                                 operator_max
                                    BIND
                                                 token_table = UPLIT BYTE (
                                                                                     op_paren_token,
cl_paren_token,
plus_token,
minus_token,
slash_token,
colon_token,
semi_colo_token,
                                                                                      quote_token,
                                                                                     quote_token,
up_arrow_token,
backslash_token,
at_sign_token,
period_token,
asterisk_token,
langle_token,
rangle_token,
comma_token,
equals_token,
lsquare_token,
                                                                                       lsquare_token,
                                                                                      rsquare_token,
                                                                                      hash_token
                                                                                                               ) : VECTOR [. BYTE]:
                                    LITERAL
                                                                                                                                           index ranges from 0 to 4 invalid character seen
                                                 max_state_index =
invalid_state =
                                                 alpha_state
                                                                                                                                           alphabetic string expected
                                                                          =
                                                                                                                                           numeric string expected logical end of line or error seen
                                                 numeric_state
                                                 eol_token_state =
radix_state =
                                                                          = 4;
                                                                                                                                           radix setting expected
                                                                                                                                           unspecified state, probably special charac
                                                 unspec_state
                                    BIND
                                                                          = UPLIT (
                                                 lex_type_tbl
                                                                                      mask (illegal)
                                                                                      mask (alpha, alpha_low, alpha_and_hex, alphalo_and_hex, period),
                                                                                      mask (numeric),
                                                                                      mask (ind_comment, end_of_line),
                                                                                      mask (up_arrow)
                                                                                                                           ) : VECTOR:
                         1180
1181
1182
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1185
                                    BIND
                                                                          = UPLIT BYTE (
                                                 lex_state_tbl
                                                                                                   invalid_state, alpha_state,
                                                                                                  numeric_state
                                                                                                   eol_token_state,
                                                                                                  radix_state
```

```
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
                                                                                                                                                                                                                                                                                                   VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER: [PATCH. SRC]PATLEX.B32;1
PATLEX
V04-000
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119
                                                                                                                                                                                                                                                                        ) : VECTOR [, BYTE];
         LITERAL
                                                                                                         radix_max
                                                                                                                                                               = 3:
                                                                                                                                                                                                                                                                                                   ! maximum number of MARS radices
                                                                              BIND
                                                                                                         radix_equiv_tbl = UPLIT BYTE (
                                                                                                                                                                                                                  'B', binary_radix,
'O', octal_radix,
'D', decimal_radix,
'X', hex_radix
                                                                                                                                                                                                                                                                        ) : BLOCK [, WORD];
                                                                               MACRO
                                                                                                          radix_char
                                                                                                                                                                                                                                                                                                         radix ASCII character
                                                                                                          radix_equiv
                                                                                                                                                                                                                                                                                                    ! radix equivalent
                                                                              MAP
                                                                                                          input_stg_desc : REF BLOCK [, BYTE],
lexeme_stg_desc : REF BLOCK [, BYTE];
                                                                                                                                                                                                                                                                                                         input string descriptor
                                                                                                                                                                                                                                                                                                    ! lexeme string descriptor
                                                                              LOCAL
                                                                                                                                                                                                                                                                                                          character pointer for input
                                                                                                          input_ptr,
                                                                                                                                                                                                                                                                                                          character pointer for lexeme
                                                                                                          lexeme_ptr,
                                                                                                          previous radix, state_index,
                                                                                                                                                                                                                                                                                                          current local radix
                                                                                                                                                                                                                                                                                                         index into lex_state_tbl
current state of lexical processor
                                                                                                          state.
                                                                                                                                                                                                                                                                                                          holds a single character
                                                                                                          char.
                                                                                                                                                                                                                                                                                                         counts characters used
                                                                                                          count:
                                                                              LABEL
                                                                                                         alpha_block.
radix_block;
                                                                                                                                                                                                                                                                                                         label for alpha case in the select
                                                                                                                                                                                                                                                                                                    ! label for up arrow case in the select
                                                                                     See whether there is any input line left. If not, signal internal error.
                                                                              IF .input_stg_desc [dsc$w_length] LSS 0
THEN SIGNAL (PAT$_PARSEERR);
L1:1225
    INFO#252
Test expression is 267 1227
268 1228
269 1229
270 1230
271 1231
272 1232
273 1233
274 1234
275 1235
276 1236
277 1237
278 1238
279 1239
280 1240
281 1241
282 1242
      INFO#252
                                                                   always false
2 !++
2 ! Make the
2 input_ptr
2 lexeme_ptr
                                                                                    Make the string pointers into formal BLISS character pointers.
                                                                               input_ptr = ch$ptr (.input_stg_desc [dsc$a_pointer]);
lexeme_ptr = ch$ptr (.lexeme_stg_desc [dsc$a_pointer]);
                                                                                 ! Save the radix in case it changes temporarily.
                                                                              previous_radix = .PAT$gb_mod_ptr [mode_radix];
count = 0;
REPEAT
                                                                                                                                                                                                                                                                                                   ! skip leading blanks
                                                                                                          char = ch$rchar (.input_ptr);
If .char_type_table [.char] NEQ blanks
```

PA

```
f 6
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
PATLEX
VO4-000
                                                                                                         VAX-11 Bliss-32 V4.0-742 Par DISK$VMSMASTER:[PATCH.SRC]PATLEX.B32;1
   THEN
                                                BEGIN
                                                input_stg_desc [dsc$w_length] = .input_stg_desc [dsc$w_length] - .count;
EXITLOOP
                                                END
                                      ELSE
                                                BEGIN
                                                input_ptr = ch$plus (.input_ptr, 1);
count = .count + 1;
                                                END:
                                      END:
                               Convert the mapping of the first significant character into a lexical state.
                               This state drives the later CASE processing.
                             state index = 0;
REPEAT
                                      BEGIN
IF .lex_type_tbl [.state_index] ^ .char_type_table [.char] LSS 0
THEN
                                                BEGIN
                                                state = .lex_state_tbl [.state_index];
EXITLOOP
                                                END
                                      ELSE
                                                BEGIN
                                               state_index = .state_index + 1;
If .state_index GTR max_state_index
THEN
                                                          BEGIN
                                                         state = unspec_state;
EXITLOOP
                                                          END:
                                                END:
                                      END:
                                     CASE .state FROM 0 to max_state_index + 1 OF SET
                             REPEAT
                                                                                                          ! analyze current state
                                      ! if illegal, just signal
```

PA

```
6 6
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
PATLEX
VO4-000
                                                                                                                               VAX-11 Bliss-32 V4.0-742 Pa
DISK$VMSMASTER:[PATCH.SRC]PATLEX.B32;1
                                                                                                                                                                                   Page
                                  [alpha_state]:
alpha_block:
                       1285
1286
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1298
1303
1304
1305
                                                                                                                               ! alphanumeric string
    BEGIN
                                                            This is an alphanumeric string. If the character is a period, see whether the next character is an alphabetic. If it is, this must be a logical operator
                                                            keyword, so allow the leading dot. Otherwise, it is an error.
                                                         LOCAL
                                                                     period_present;
                                                          count = 0:
                                                         IF .char EQL asc_period THEN
                                                                     BEGIN
                                                                     LOCAL
                                                                                new_char;
                                                                     1306
1307
1308
                                                                     THEN
                                                                                 BEGIN
                                                                                 IF .char_type_table [.new_char] EQL numeric
THEN state = numeric_state
                                                                                ELSE state = unspec state;
STATE = UNSPEC STATE;
LEAVE alpha_block;
                                                                                                                               ! DON'T ACCEPT NUMBERS WITH DECIMAL POINTS
                                                                     ELSE period_present = TRUE;
                                                         ELSE period_present = FALSE:
                                                            Now read the input buffer until a non-alpha and non-numeric character is encountered. Store each character found in the
                                                            buffer for the lexeme unless the length of that buffer is
                                                            expended.
                                                         DO
                                                                     IF (oneof (.char_type_table [.char], alpha_low, alphalo_and_hex))
THEN char = .char - upper_case_dif;
count = .count + 1;
IF .count LEQ sym_max_length
THEN ch$wchar_a (.char, lexeme_ptr);
char = ch$a_rchar (input_ptr);
                                                                     END
                                                         WHILE
                                                                     Now see whether the next character is a period
                                                          ! AND the string started with a period. In this case, store the
```

```
H 6
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
PATLEX
V04-000
                                                                                                                                                  VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATLEX.B32;1
                                                                     ending period also.
    if .char EQL asc_period AND .period_present
THEN
                                                                                BEGIN
                                                                               count = .count + 1;
If .count LEQ sym_max_length
THEN ch$wchar (.char, .lexeme_ptr);
input_ptr = ch$plus (.input_ptr, 1);
                                                                     Return the alpha_str_token lexeme.
                                                                  iF .count GTR sym_max_length
THEN
                                                                                BEGIN
                                                                                SIGNAL (PATS_STGTRUNC);
                                                                                lexeme_stg_desc [dsc$w_length] = sym_max_length;
                                                                  ELSE lexeme_stg_desc [dsc$w_length] = .count;
input_stg_desc [dsc$a_pointer] = .input_ptr;
input_stg_desc [dsc$w_length] = .input_stg_desc [dsc$w_length] - .count;
RETURN alpha_str_token
                                                                  END:
```

```
PATLEX
VO4-000
                                                                                   16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
                                                                                                                  VAX-11 Bliss-32 V4.0-742 Pa
DISKSVMSMASTER:[PATCH.SRC]PATLEX.B32;1
                                         [numeric_state]:
BEGIN
   ! numeric string
                                                      Now read the input buffer until a non-numeric character is
                                                      encountered. Ignore all leading zeroes unless a decimal point was present. Store each character found in the buffer for the lexeme unless the length of that buffer is expended.
                                                    count = 0;
                                                    WHILE
                                                              .char EQL '0'
                                                    DO
                                                              BEGIN
                                                              count = .count + 1;
                                                              char = ch$a_rchar (input_ptr);
                                                    1++
                                                      If the entire number was zero, put a single
                                                      zero in the lexeme buffer and return.
                                                   input_stg_desc [dsc$w_length] = .input_stg_desc [dsc$w_length] - .count;
count = 0;
                                                   If .char_type_table [.char] NEQ numeric
    AND NOT (oneof (.char_type_table [.char], alpha_and_hex, alphalo_and_hex))
                                                    THEN
                                                              BEGIN
                                                              ch$wchar (0, .lexeme_ptr);
lexeme_stg_desc [dsc$w_length] = 1;
input_stg_desc [dsc$a_pointer] = .input_ptr;
RETURN digit_str_token
                                                              END:
                                                    ! This is the normal store and pick up next numeric character.
                                                   DO
                                                              BEGIN
                                                              IF .char_type_table [.char] EQL alphalo_and_hex
THEN char = .char - upper_case_dif;
                                                              count = .count + 1;
                                                              IF .count GTR num_max_length THEN
                                                                        BEGIN
                                                                        ch&wchar (.char, .lexeme_ptr-1);
                                                              ELSE ch$wchar_a (.char, lexeme_ptr);
                                                              char = ch$a_rchar (input_ptr);
                                                    WHILE
                                                              (oneof (.char_type_table [.char], numeric,
                                                                        alpha_and_hex, alphalo_and_hex));
```

VO

Page X.832;1	CJPATLEX.832	2 RCJPATLEX.
		: *

PI

...............

PA

```
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
PATLEX
VO4-000
                                                                                                                     VAX-11 Bliss-32 V4.0-742
                                                                                                                     DISKSVMSMASTER: [PATCH. SRC]PATLEX.B32:1
                                          [radix_state]:
   ! up arrow, quote, percent sign
                                radix_block:
                                                     BEGIN
                                                                                                                     ! MARS handling
                                                       An up arrow can occur as a standalone character meaning previous location, or as a special character that indicates
                                                       radix. In the latter case, the up arrow is followed by one of the letters 'B', 'O', or 'X', and then a numeric string (without an intervening space). First check for the letter.
                     LOCAL
                                                               new_char;
                                                     char = ch$rchar (ch$plus (.input_ptr, 1));
If (oneof (.char_type_table [.char], alpha_low, alphalo_and_hex))
THEN char = .char - upper case dif;
If NOT ((.char EQL 'B') OR (.char EQL 'O') OR (.char EQL 'D') OR (.char EQL 'X'))
                                                     THEN
                                                                BEGIN
                                                                 This is the single character meaning previous location.
                                                                  Just update the string descriptors, write the up arrow into the lexeme buffer, and return.
                                                                char = asc_up_arrow;
                                                                state = unspec_state;
                                                                LEAVE radix block;
                                                                END:
                                                       This looks like a radix indicator. If a number follows, it
                                                       must be. In this case, set the current mode according to the
                                                       radix encoding. Then leave this code block. The effect is that
                                                       on the next loop through the CASE expression, control will
                                                       stop at the numeric processing block.
                                                     new_char = ch$rchar (ch$plus (.input_ptr, 2));
If Toneof (.char_type_table [.new_char], numeric,
                                                                          alpha_and_hex, alphalo_and_hex))
                                                     THEN
                                                               THEN
                                                                                     PAT$gb_mod_ptr [mode_radix] =
                                                                                    exittoop equiv_tbl [.index, radix_equiv];
                                                                                     END:
                                                                char = .new_char;
                                                                input_stg_desc [dsc$w_length] = .input_stg_desc [dsc$w_length] - 2;
                                                                state = numeric_state;
LEAVE radix_block;
                                                                END
                                                     ELSE
```

V

PATLEX V04-000 \$50 \$551 \$553 \$554 \$556 \$557 \$558 \$559	1506 4 1507 4 1508 4 1509 4 1510 4 1511 4 1512 4 1513 4 1514 3 1515 2	M 6 16-Sep-1984 00:37:30 VAX-11 Bliss-32 V4.0-742 Page 16 14-Sep-1984 12:52:36 DISK\$VMSMASTER:EPATCH.SRC]PATLEX.B32;1 (7) BEGIN This is not a radix indicator after all. Just return the up arrow. Char = asc_up_arrow; state = unspec_state; LEAVE radix_block; END;

P/V

```
N 6
16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
PATLEX
VO4-000
                                                                                                                                                         VAX-11 Bliss-32 V4.0-742 Page DISK$VMSMASTER:[PATCH.SRC]PATLEX.B32;1
                                                        [unspec_state]: BEGIN
    $5666666677777777777888888888901234566666666666666789012345677777777778888888888901234567890123
                                                                                                                                                          ! special character like operator or illegal
                                                                         Most likely, this is a single character operator. Write its ASCII value into the lexeme buffer, and return its equivalent
                                                                         token.
                                                                      BEGIN
                                                                                    LOCAL
                                                                                                  index:
                                                                                    index = table_offset;
                                                                                    REPEAT
                                                                                                  IF .char_type_table [.char] EQL .index THEN
                            BEGIN
                                                                                                               ch$wchar (.char, .lexeme_ptr);
lexeme_stg_desc [dsc$w_length] = 1;
input_stg_desc [dsc$a_pointer] = ch$plus (.input_ptr, 1);
input_stg_desc [dsc$w_length] = .input_stg_desc [dsc$w_length] - 1;
RETURN .token_table [.index - table_offset]
                                                                                                  ELSE index = .index + 1;
IF .index GTR operator_max
THEN EXITLOOP;
                                                                                                  END:
                                                                                    END:
                                                                         This doesn't seem to be anything about which we know. SIGNAL invalid character.
                                                                      SIGNAL (PATS_INVCHAR);
                                                                      END:
                                                        TES:
                                         END: 1278
                                                                                                                                                          ! end of get_mar_lexeme
    INFO#212
   Null expression appears in value-required context
                                                                                                                                 .TITLE
                                                                                                                                               PATLEX
\V04-000\
                                                                                                                                  .PSECT
                                                                                                                                                _PAT$PLIT,NOWRT,NOEXE,O
                                                                                                                                                                                       0: 4:
                                                                                                                                                                          1820/15.
                                                                                                         00000
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                                                                                                                   P.AAA:
                                                                                                                                  .BYTE
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                            06 00 09 02 03
                                                                                                                                                 212.
                                                                                                                                                            11.
                                                                                                                                                                          Ŏ.
                                                                                                                                                                         1214.
```

PI

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PATLEX
V04-000
                                                                                                              16-Sep-1984 00:37:30
14-Sep-1984 12:52:36
                                                                                                                                                      VAX-11 Bliss-32 V4.0-742 Pag
DISK$VMSMASTER:[PATCH.SRC]PATLEX.B32;1
                                                                                                       0004B
0005A
00069
00078
                                  01
08
07
                                                01
08
07
00
                                                       01
00
07
                                                              01
01
07
00
                                                                                                                                                                              0. 0. 0.
4. 81. 77.
66. 69
53687091.
                                                                                                                                                                  00
                                                                                                       00080
0008F
00094
                                                                                     3F 49
42 41
80000000
             3C
                           3D
                                                                                                                P.AAB:
                                                                                                                               .BYTE
                                                                                                                                                                                                          62.
                                                                                                                                             61 75 60
-2147483648
100663296
                 00004000
                                  06000000
                                                   20000000
                                                                     51800800
                                                                                                                                . LONG
                                                                                                      000A8
000AD
000AE
000AF
000B0
000B1
000B2
                                                                                                                                             0,61
                                                                                                                 P.AAD:
P.AAE:
                                                                                                                               ASCII
                                                                                                                                             101
                                                                                                                                            10
                                                                                                                                             /X/
                                                                                                       000B4
                                                                                                                                             16
                                                                                                                CHAR TYPE TABLE=
TOKEN TABLE=
LEX_TYPE TBL=
LEX_STATE TBL=
RADIX_EQUIV_TBL=
.EXTRN F
                                                                                                                                                   P. AAB
                                                                                                                                                   P.AAC
                                                                                                                                                   P. AAD
                                                                                                                                                    P. AAE
                                                                                                                                            PATSFAO OUT, PATSRADX CONVRT PATSGB_DEF_MOD, PATSGB_MOD_PTR
                                                                                                                               .EXTRN
                                                                                                                               .PSECT
                                                                                                                                             _PAT$CODE,NOWRT,2
                                                                                              OFFC 00000
                                                                                                                                            PAT$MAR_GET_LEX, Save R2,R3,R4,R5,R6,R7,R8,-: R9,R10,R11
                                                                                                                               .ENTRY
                                                                                                                                                                                                                           1074
                                                                   5E
57
                                                                                                                                            #4, SP
INPUT_STG_DESC, R7
4(R7)
                                                                                                 C2
D0
9F
                                                                                                                               SUBL 2
                                                                                                      00002
                                                                                  04
04
00
08
                                                                                          ACAPBACAPFA
                                                                                                                               MOVL
                                                                                                                                                                                                                           1231
                                                                                                       00009
                                                                                                                               PUSHAB
                                                                   58
59
                                                                                                                                            a0(SP), INPUT_PTR
LEXEME_STG_DESC, R9
                                                                                                       00000
                                                                                                 MOVL
                                                                                                       00010
                                                                                                                               MOVL
                                                                                                                                                                                                                           1232
                                                                                                       00014
                                                                                                                               PUSHL
                                                                                                                                            4(R9)
                                                                   7E 00000000G
                                                                                                                                                                                                                           1237
1238
1241
1242
                                                                                                       00017
                                                                                                                               MOVZBL
                                                                                                                                            apat$GB_MOD_PTR, PREVIOUS_RADIX
                                                                                                       0001E
                                                                                                                               CLRL
                                                                                                                                             COUNT
                                                                                                      00020
00023
0002B
0002D
00030
00032
00034
00036
00038
                                                                                                                                             (INPUT PTR), CHAR
CHAR_TYPE_TABLE[CHAR], #4
                                                                        00000000 'EF
                                                                                          46
55
66
58
8
                                                                                                                               CMPB
                                                                                                                               BEQL
                                                                                                                                                                                                                           1245
1244
1250
1251
1238
1259
1262
                                                                   67
                                                                                                                                             COUNT, (R7)
                                                                                                                               SUBW2
                                                                                                                               BRB
                                                                                                 D6
D6
                                                                                                                                             INPUT_PTR
                                                                                                                               INCL
                                                                                                                               INCL
                                                                                                                                             COUNT
                                                                                                                               BRB
                                                                                                                                            STATE INDEX CHAR TYPE TABLE [CHAR], LEX TYPE TBL- [STATE INDEX], R1
                                                                                                                               CLRL
                                           51 00000000'EF40 00000000'EF46
                                                                                                                               ASHL
                                                                       00000000 EF 40
                                                                                                                               BGEQ
                                                                                                                                            LEX_STATE_TBL[STATE_INDEX], STATE
                                                                                                      0004A
00053
                                                                                                                                                                                                                           1265
1264
1270
1271
                                                                                                                               MOVZBL
                                                                                           0B
50
50
DE
05
                                                                                                                               BRB
                                                                                                      00055
00057
0005A
0005C
                                                                                                 D6
D1
15
D0
                                                                                                                                            STATE INDEX #4
                                                                                                                               INCL
                                                                                                                               CMPL
                                                                                                                               BLEQ
                                                                                                                                            #5, STATE
                                                                                                                               MOVL
                                                                                                                                                                                                                           1274
                                                          00
```

PAT VO4

					4.1	16-Sep- 14-Sep-	1984 00:37 1984 12:52	:30 VAX-11 Bliss-32 V4.0-742 Page 36 DISK\$VMSMASTER:[PATCH.SRC]PATLEX.B32;1	ge 19 (8)
009	05	00 000F 01C8	00	0200 0143	CF 0006 0006 0006	7\$: 5 8\$:	CASEL	STATE #0, #5 37\$-8\$,- 9\$-8\$,- 17\$-8\$,- 26\$-8\$,-	1280
		2E	(01F1 5A 56 18	D1 0007	4 98:	BRW CLRL CMPL BNEQ	27\$-8\$,- 34\$-8\$ 37\$ COUNT CHAR, #46	1284 1297 1298
9	50 51800000	50 8F	0000000000	F 40	9A 0007		BNEQ MOVZBL ASHL	1(INPUT_PTR), NEW_CHAR CHAR_TYPE_TABLE[NEW_CHAR], #1367343104, RO	1305
		50		01 02 50	18 0008 00 0008 11 0009	E	ASHL BGEQ MOVL	#1 PERIOD_PRESENT	1316
9	01800000	51 8F	00000000	F46	04 0009 9A 0009	5 10\$: 5 11\$: 5 12\$:	BRB CLRL MOVZBL ASHL	PERIOD PRESENT CHAR TYPE YABLE[CHAR], R1	1316 1298 1318 1328
		56		030 550 550 568 568	78 0009 18 000A C2 000A D6 000A	7 A 138:	ASHL BGEQ SUBL 2 INCL	#32. CHAR	1329 1330 1331
		1F		5 A	D6 000A D1 000A 14 000A		CMPL BGTR	COUNT #31	1331
	04	BE	04	56 AE	90 000B	5	MOVB	CHAR, QLEXEME_PTR LEXEME_PTR	1332
5	0 71800800	56 51 8F	00000000.E	F46	9A 000B 9A 000B 78 000C		INCL MOVZBL MOVZBL ASHL BLSS	CHAR, BLEXEME_PTR LEXEME_PTR INPUT_PTR (INPUT_PTR), CHAR CHAR_TYPE_TABLE[CHAR], R1 R1, #1904216064, R0 12\$	1333 1337
		16		CE 5A	D1 000CI		CMPL	LUUNI 4 731	1356
	00000000	G 00 69	00608033	12 8F 01 1F	15 0000 DD 0000 FB 0000 B0 000E		CMPL BLEQ PUSHL CALLS MOVW	15\$ #7176243 #1, LIB\$SIGNAL #31, (R9)	1359 1360 1356
	08	69 BE 67 50	47	03 5A 5B 5A 8F	BO 000E DO 000E A2 000E 9A 000F	168:	BRB MOVU MOVL SUBW2 MOVZBL	16\$ COUNT, (R9) INPUT_PTR, @8(SP) COUNT, (R7) #71, R0	1356 1362 1363 1364 1365
		30		5A 56	04 000F 04 000F 01 000F 12 000F	7 18\$:	RET CLRL CMPL BNEQ	COUNT CHAR, #48 19\$	1375 1377
		56		546 569 568 568 568 568	D6 000F0 D6 000F0 9A 00100		INCL MOVZBL	COUNT INPUT_PTR (INPUT_PTR), CHAR	1380 1381
		67		5A	AZ 0010	198:	BRB SUBW2	COUNT, (R7)	1376 1388
		02	00000000.E	F 46	04 00100 91 00100 13 00110 78 00110 19 00120 94 00120 80 00120	1	CLRL CMPB BEQL	COUNT CHAR_TYPE_TABLE[CHAR], #2 20\$	1389 1390
5	0 10800000	8F	00000000 'E	F 46	13 00117 78 00117 19 0012		ASHL	CHAR_TYPE_TABLE[CHAR], #276824064, RO 20\$	1391
		69	04	BE 01	19 0012 94 0012 80 0012	5	ASHL BLSS CLRB MOVW	alexeme PTR #1, (R9)	1394 1395

PAT VO4

				1	D 7 6-Sep-1 4-Sep-1	984 00:37 984 12:52	:30 VAX-11 Bliss-32 V4.0-742 P2:36 DISK\$VMSMASTER:[PATCH.SRC]PATLEX.B32;	ge 20
	08	BE 5B 08	58 00000000'EF46				INPUT_PTR, @8(SP) 25\$ CHAR_TYPE_TABLE[CHAR], R11 R11, #8	: 1396 : 1397 : 1405
		08 56	5B 03 20 5A	DO 00129 11 00129 9A 0012F D1 00137 12 0013A C2 0013F D1 00144 15 00144	21\$:	MOVL BRB MOVZBL CMPL BNEQ SUBL2 INCL	R11, #8 22\$ #32, CHAR COUNT	1406
		14		D1 00141		CMPL	COUNT, #20	: 1408
60 50	01 04	50 AE 60	04 A9 13 01 56	28 0014A		MOVL MOVC3 SUBL3 MOVB BRB	4(R9), R0 #19, 1(R0), (R0) #1, LEXEME_PTR, R0 CHAR, (R0)	1412 1413 1414
	04	BE	56 07 56 04 AE 58 68	90 00159	23\$:	INCL	CHAR, aLEXEME_PTR LEXEME_PTR	1416
50	30800000	56 58 8F	00000000 EF 46	D6 00150 D6 00160 9A 00165 78 00160 19 00175	24\$:	INCL MOVZBL MOVZBL ASHL	INPUT PTR (INPUT PTR), CHAR CHAR_TYPE_TABLE[CHAR], R11 R11, #813694976, R0 21\$	1417
	00000000G	EF	04 A9 04 A9 02	DD 00177 DD 00177 FB 00170		ASHL BLSS PUSHL PUSHL CALLS MOVB MOVW	4(R9) 4(R9)	1429
	000000006	FF 69 BE 67 50	04 A9 04 A9 02 6E 04 58 5A 48 8F	DO 00186 A2 00192 9A 00195	25\$:	SUBW2 MOVZBL	#2, PAT\$RADX_CONVRT PREVIOUS_RADIX, @PAT\$GB_MOD_PTR #4, (R9) INPUT_PTR, @8(SP) COUNT, (R7) #72, R0	: 1430 : 1431 : 1432 : 1433 : 1434
	08	BE 50	01 A8 67 63 8F	04 00199 B4 00199 9E 00190 B7 001A1 9A 001A3	26\$:	RET CLRW MOVAB DECW MOVZBL	(R9) 1(R8), a8(SP) (R7) #99, R0	1444 1445 1446
50	01800000	56 8F	01 A8 00000000'EF46	04 001A7 9A 001A8 78 001A0 18 001B9 C2 001BB	27\$:	RET MOVZBL ASHL BGEQ	1(INPUT_PTR), CHAR CHAR_TYPE_TABLE[CHAR], #25165824, RO	1463 1464
	00000042	56 8F	03 20 56 18	D1 001BE	28\$:	SUBL2 CMPL BEQL CMPL	28\$ #32, CHAR CHAR, #66 29\$	1465
	0000004F	8F	56 12 56	13 001CF		CMPL BEQL CMPL	CHAR, #79 29\$ CHAR, #68	
	00000058	8F	09 56	D1 001D0 13 001D7 D1 001D9		BEQL CMPL	29\$ CHAR, #88	
50	30800000	51 8F	00000000°EF41	01 00109 12 001E0 9A 001E2 78 001E6 18 001F3	29\$:	BNEQ MOVZBL ASHL BGEQ	33\$ 2(INPUT_PTR), NEW_CHAR CHAR_TYPE_TABLE[NEW_CHAR], #813694976, R0 33\$	1486 1488
Qr.		58	02 00000000°EF40	00 001F2 04 001F8 3F 001F	30\$:	ADDL2 CLRL PUSHAW	#2, INPUT_PTR INDEX RADIX_EQUIV_TBL[INDEX] #0, #8, a(SP)+, CHAR	1491
9E	00000000G		00000000°EF40	12 00206 33 00208 11 00214		CMPZV BNEQ CVTWB BRB	#0, #8, a(SP)+, CHAR 31\$ RADIX_EQUIV_TBL+1[INDEX], aPAT\$GB_MOD_PTR 32\$	1497 1495

PATLEX VO4-000			E 7 16-Sep-1984 00:37:30 VAX-11 Bliss-32 V4.0-742 Page 14-Sep-1984 12:52:36 DISK\$VMSMASTER:[PATCH.SRC]PATLEX.B32;1	(8)
	EO OC	50 03 56 51 67 02 AE 02	F3 00216 31\$: AOBLEQ #3, INDEX, 30\$ D0 0021A 32\$: MOVL NEW_CHAR, CHAR A2 0021D SUBW2 #2, (R7) D0 00220 MOVL #2, STATE 11 00224 BRB 38\$ 9A 00226 33\$: MOVZBL #94, CHAR	1493 1500 1501 1502 1503 1511 1512
		56 5E 8F 51 00000000 EF 46 09	11 00224 BRB 38\$ 9A 00226 33\$: MOVZBL #94, CHAR 31 0022A BRW 6\$ 9A 0022D 34\$: MOVZBL CHAR_TYPE_TABLE[CHAR], R1	1503 1511 1512 1523
		1C 2B 51 26	91 00235 CMPB R1, #9 1F 00238 BLSSU 37\$ 91 0023A CMPB R1, #28 1A 0023D BGTRU 37\$	1524
	04	17	12 00245 RNFQ 36\$	1531 1534 1537 1538
	08	50 00000000°EF40	9E 0024E MOVAB 1(R8), @8(SP) B7 00253 DECW (R7) 9A 00255 MOVZBL TOKEN_TABLE-9[INDEX], R0 1 04 0025D RET	1537 1538 1539 1540 1541
		1C 50 50 DD DD 8F 01 FDEB	D6 0025E 36\$: INCL INDEX D1 00260 CMPL INDEX, #28 15 00263 BLEQ 35\$ DD 00265 37\$: PUSHL #7176402	1543 1544 1553
	000000006	00 01 FDEB	15 00263 BLEQ 35\$ DD 00265 37\$: PUSHL #7176402 FB 0026B CALLS #1, LIB\$SIGNAL 31 00272 38\$: BRW 7\$	1280

; Routine Size: 629 bytes, Routine Base: _PAT\$CODE + 0000

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PATLEX VO4-000 16-Sep-1984 00:37:30 14-Sep-1984 12:52:36 VAX-11 Bliss-32 V4.0-742 Page 22 DISK\$VMSMASTER:[PATCH.SRC]PATLEX.B32;1 (9) 605 1559 1 END 1560 0 ELUDOM ! End of module .EXTRN LIBSSIGNAL PSECT SUMMARY Name Bytes Attributes NOVEC.NOWRT, RD .NOEXE.NOSHR. LCL. REL. NOVEC.NOWRT, RD . EXE.NOSHR, LCL. REL. CON, NOPIC, ALIGN(0) CON, NOPIC, ALIGN(2) PATSCODE Library Statistics ----- Symbols -----Processing Pages File Percent Total Loaded Mapped Time _\$255\$DUA28:[SYSLIB]LIB.L32:1 18619 1000 00:01.9 6 : Information: : Warnings: : Errors: 200 COMMAND QUALIFIERS BLISS/CHECK=(FIELD, INITIAL, OPTIMIZE)/VARIANT: 1/LIS=LIS\$:PATLEX/OBJ=OBJ\$:PATLEX MSRC\$:PATLEX/UPDATE=(ENH\$:PATLEX) 629 code + 181 data bytes 00:26.9 01:23.5 3478 Size: Run Time: Elapsed Time: Lines/CPU Min: Lexemes/CPU-Min: 35021 Memory Used: 282 pages Compilation Complete

0302 AH-BT13A-SE

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